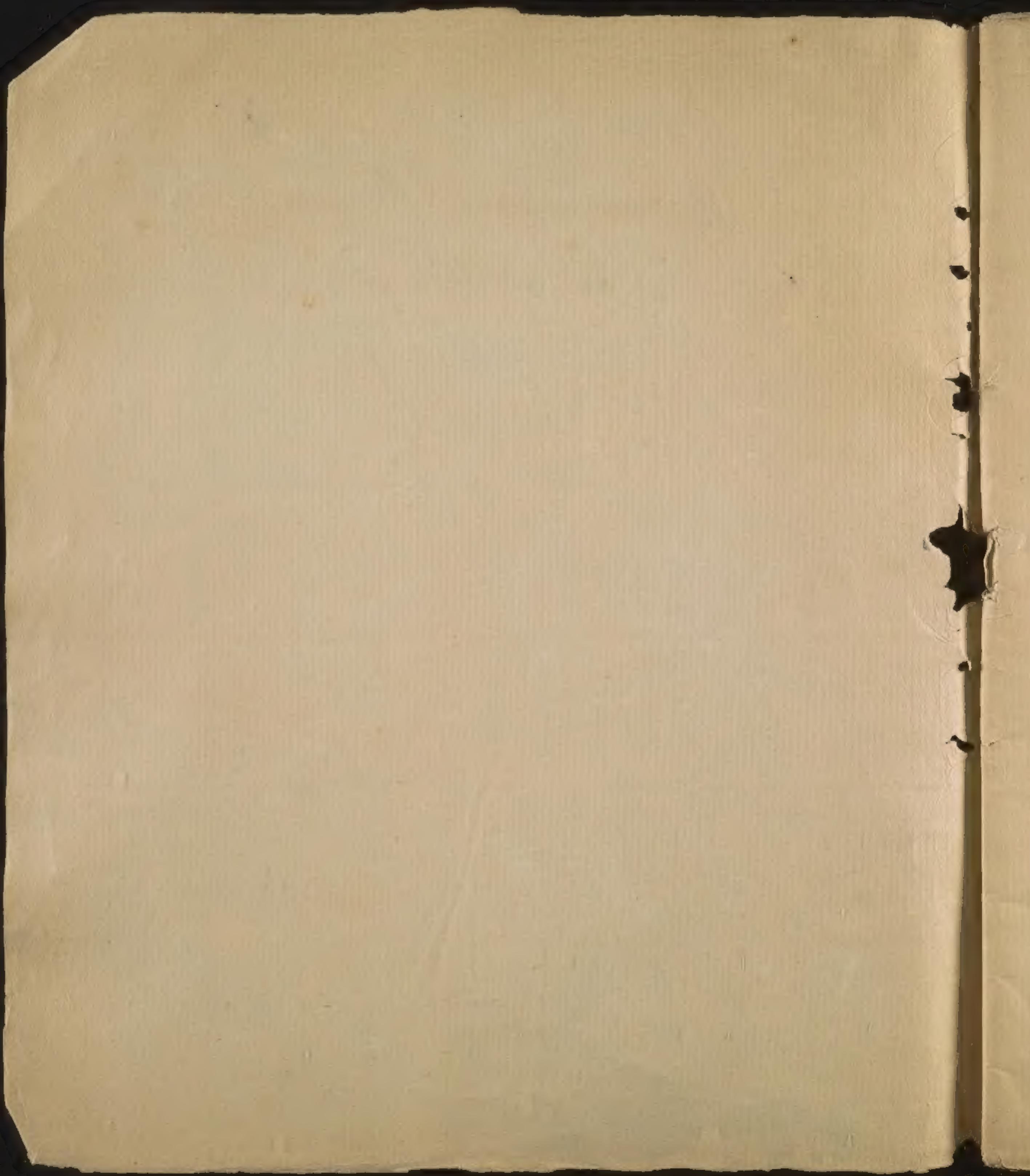


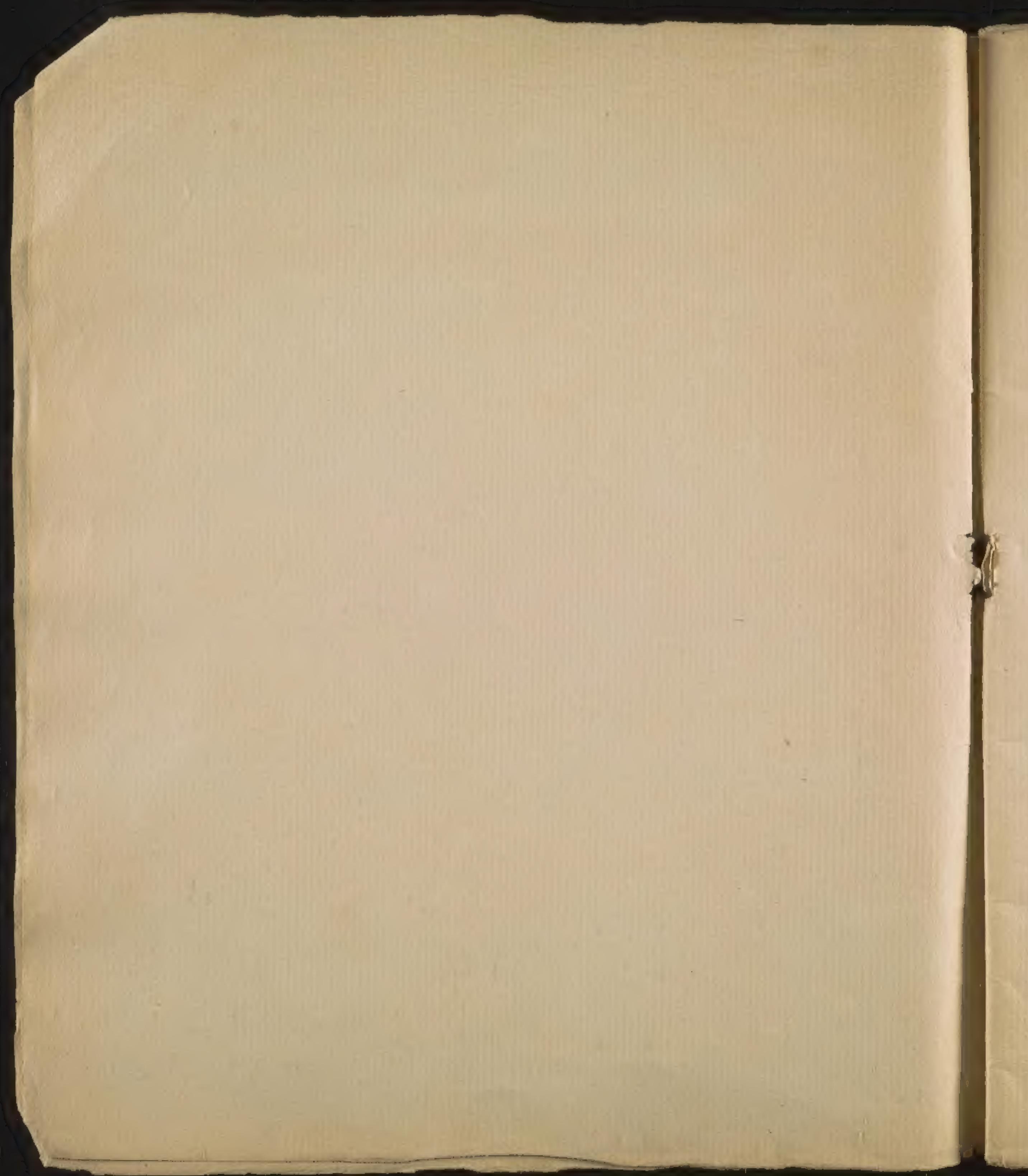
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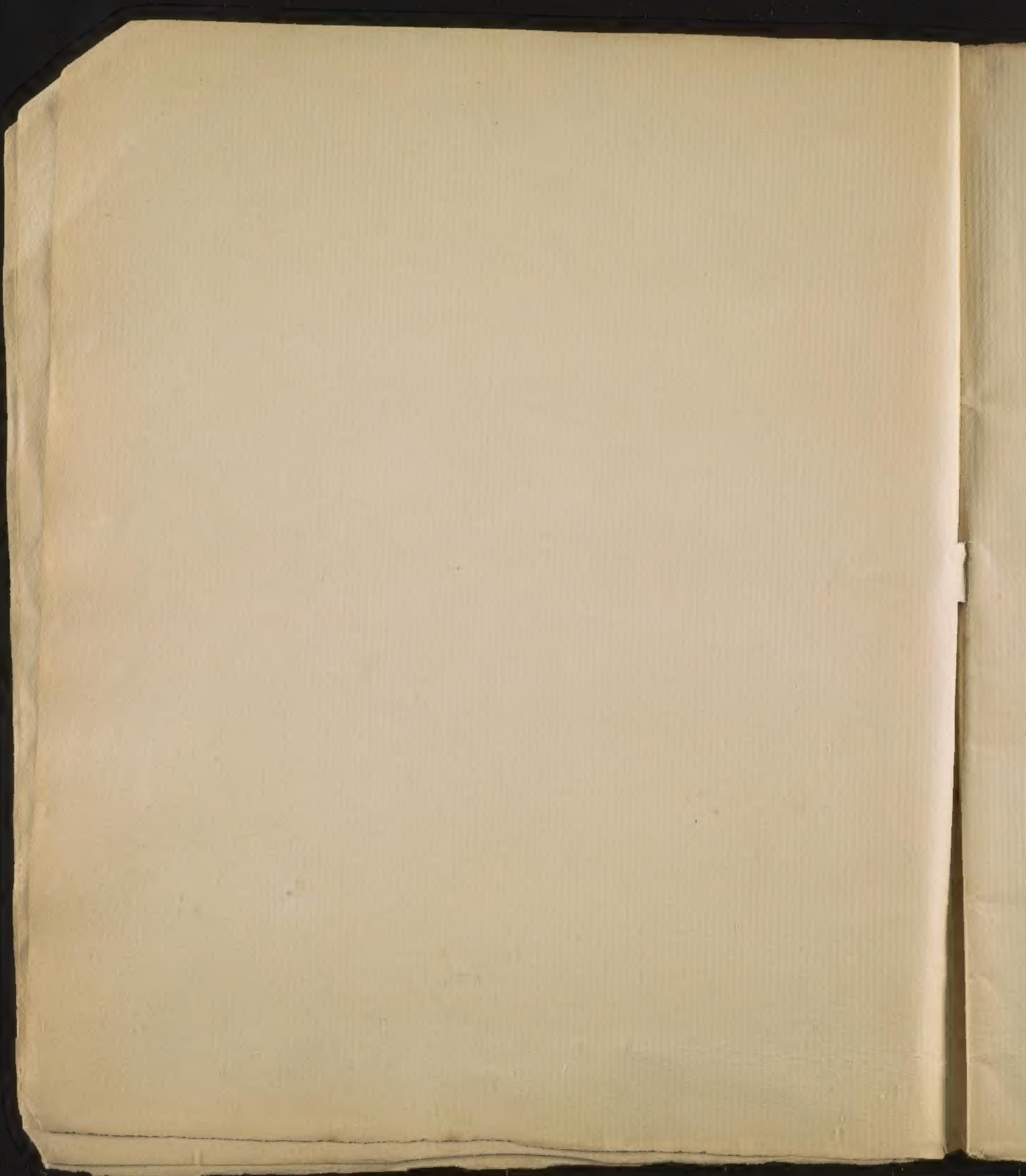
1808.

Introductory lecture on the
connection of theory with practice.









✓ Hygiene considers the means of
preserving health.

Nov^r 1803

Nov^r 1806

Gentlemen /

I said in my introductory lecture
my business in this University ~~is~~ to teach
the institutes of medicine & the practice
of physic.

The former include Physiology -
~~or the art of preserving health~~
Pathology & the what are called Therapeutics;
~~or a general~~
~~or the~~ method of curing disease founded
upon a knowledge of their causes princi-
-pally explained in the lectures upon
Pathology. The latter includes the history of the
Signs, ~~and~~ of the ~~case~~ of particular Diseases.
Physiology considers the functions
of the human body in ~~its~~ healthy state.
Pathology considers the causes which
derange those functions, & thereby induce
diseases. Those causes ~~and~~ include all

iv lectures upon each of these branches
of medicine, I shall ^{from this chair} twice a week deliver
~~class~~ remarks upon such cases of disease
as occur in the Penns: Hospital. The
^{Different} subjects of these lectures are divided in
the Univ: of Penn² into three ~~the~~ dis-
tinct professorships. I have preferred
writing them - 1 because they are con-
nected ^{inseparably}, ~~but~~ and can be
useful & ^{invaluable} only by being taught
under the direction of the same princi-
ples & 2 because I wished ~~to~~ as much

2

external & internal impressions which
in a modified degree
act upon the body, and the changes
induced by them in the structure, & actions
of the different functions.

of the different ^{and} consider the Remedies
Therapeutics ~~unfolded~~ as unfolded by
which are diseases as unfolded by
pathology.

pathology. The practice of physico discards to the application of the principles explained in therapeutics, to the cure of particular diseases. — ^{giving} ^{Besides advice} I and my wife all the subjects

particular attention.

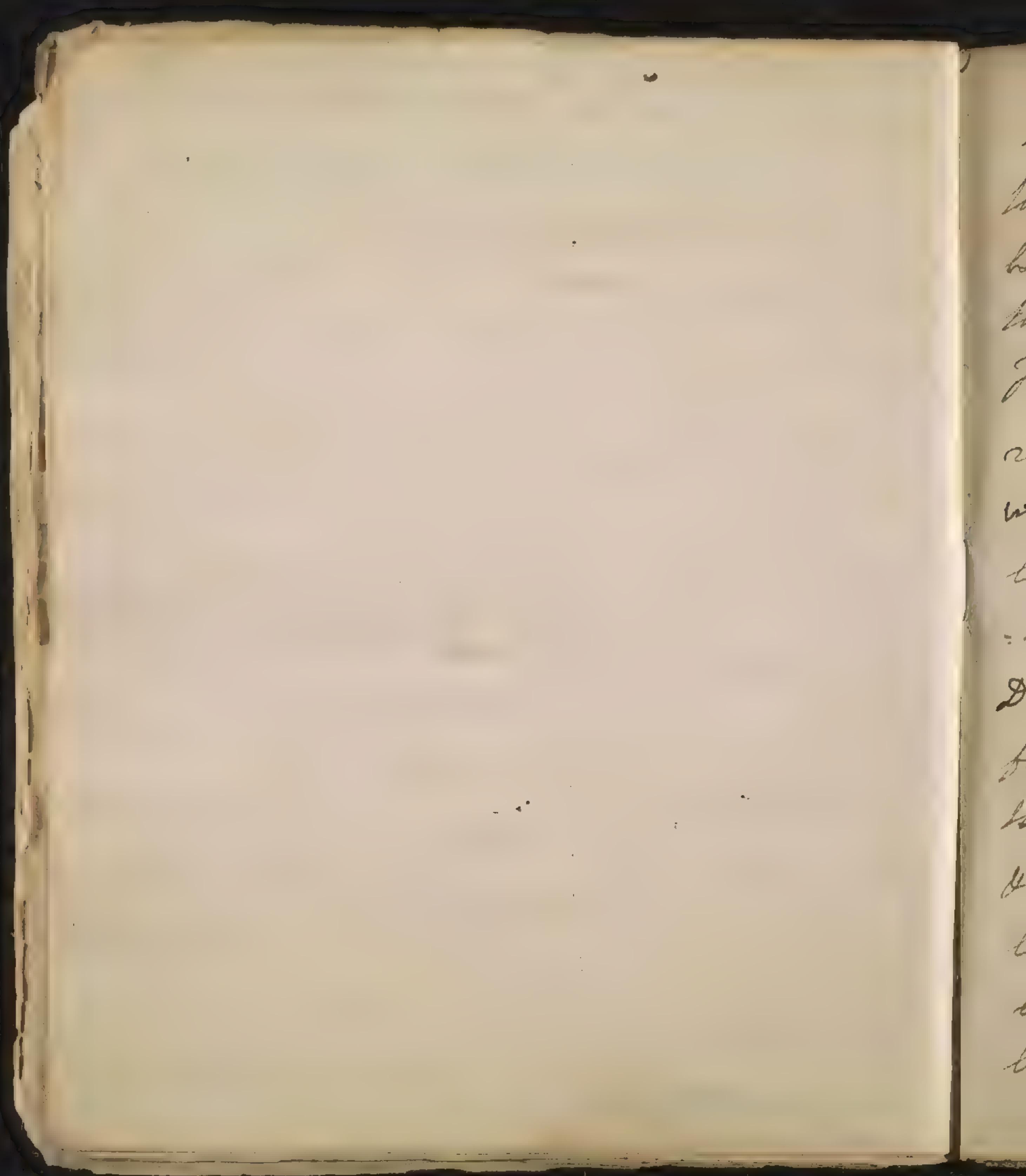
For a full acc^r of all the subjects
which are ~~to be~~ included in the above
division of our course, ~~see~~ ^{that} ~~page~~ to
is contained ~~after~~ ⁱⁿ ~~you~~ a syllabus, published by
Horthy with a volume of
~~1926 forward, & bound up with it~~
introductory lectures delivered by Prof in

as possible to lessen the expenses of
a medical education in our University.

3 ~~Posthumous~~ ^{to my friend} to my friend
His University, some years ago. These lectures
will I hope be useful to you as
to your present. They contain many of
my peculiar opinions in regard of the
~~Science~~ ⁱⁿ of medicine, & they will help
to render many parts of our course
more intelligible to you. —

The design of the ^{time between those} first of ~~these~~ ^{is to shew}
introductory lectures ^{on that} between theory & practice
the connection between theory & practice
in medicine. After the ^{of} bodies and
nearly 15 years in teaching this ^{above 50} ~~latter~~
and after practice of nearly 60 years,
I ~~now~~ have confirmed all that I have
said in ~~fact~~ that lecture ~~on~~ in favor of
the ^{Union} ~~use~~ of Observation & reasoning in
medicine in order to constitute a Physician
or to improve our Science. I know, gent^m,

V The science of medicine cannot stand
upon any one, nor yet upon any
two of them. But.

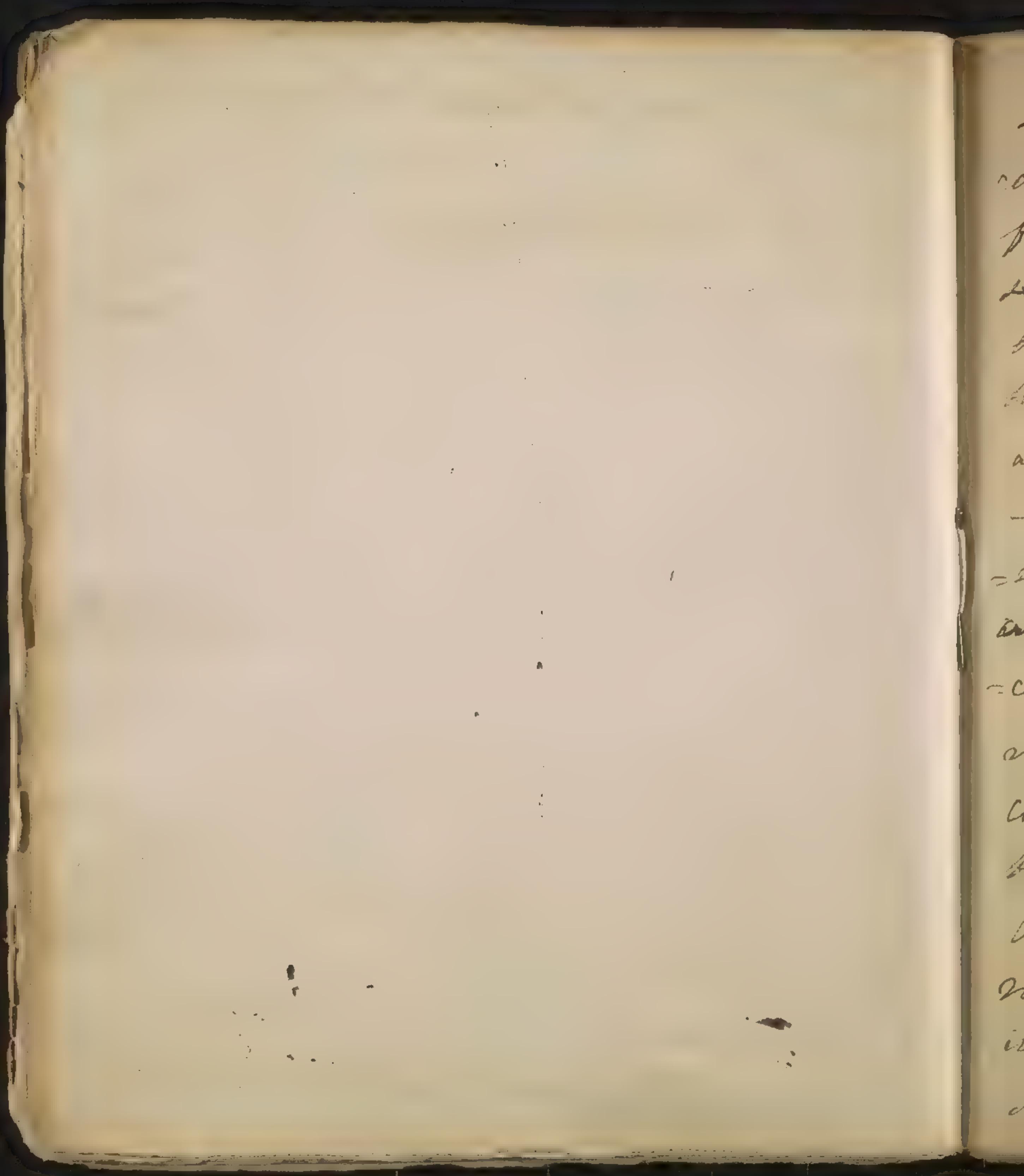


5 (if the exception be allowed)
there were ten false facts to one false
theory in medicine. The ^{advantage} ~~disadvantage~~
has resulted from ~~the~~ combination facts are
the ^{ch} ~~backbones~~ of theories, as theories are ^{of} facts.
I cannot better illustrate the truth of this
remark than by mentioning the advantages
which our science has derived from the
labors of two men whose names are im-
mortal in the history of medicine. I mean
Dr. Sydenham, & Mr. John Hunter. The
former overthrew the theories of ages by his
~~the facts he brought to light by his faithful~~
~~observations~~
& accurate histories ^{of} ~~of~~ diseases, while the
latter overthrew ~~the~~ ^{thousands of} ^{by} ~~supposed~~ facts ~~of~~
by his theories, or in his other words by
his discoveries of the laws of the animal
economy, and the operation of medicines

✓ That the late ~~philosophers~~ Infidels have done
who have attempted to divide morals
from Religion. Theory & practice

Permit me to add

in the cure of diseases. ~~But~~ ^{the same} ~~doctors~~ further,
that those men who attempt to divide theory
of practice, aim at ~~any~~ impossibility ~~They~~
are inseparably connected by an immutable
& eternal law in the human mind. "To
think is to theorize" ~~and~~ says Dr. Darwin,
and where is the physician or the man
seem to, or even suspend
that can ~~remove~~ the involuntary operation
of his mental faculties in thinking? There
never was a physician who did not secretly
think, or who ever prescribed a medicine
without a secret indication of cure founded
upon a theory of some kind. The clamors which
have been excited against theorizing - against
such theories as are new, ~~for~~ this was remarkably the
case in Edinburgh when Dr. Cullen first



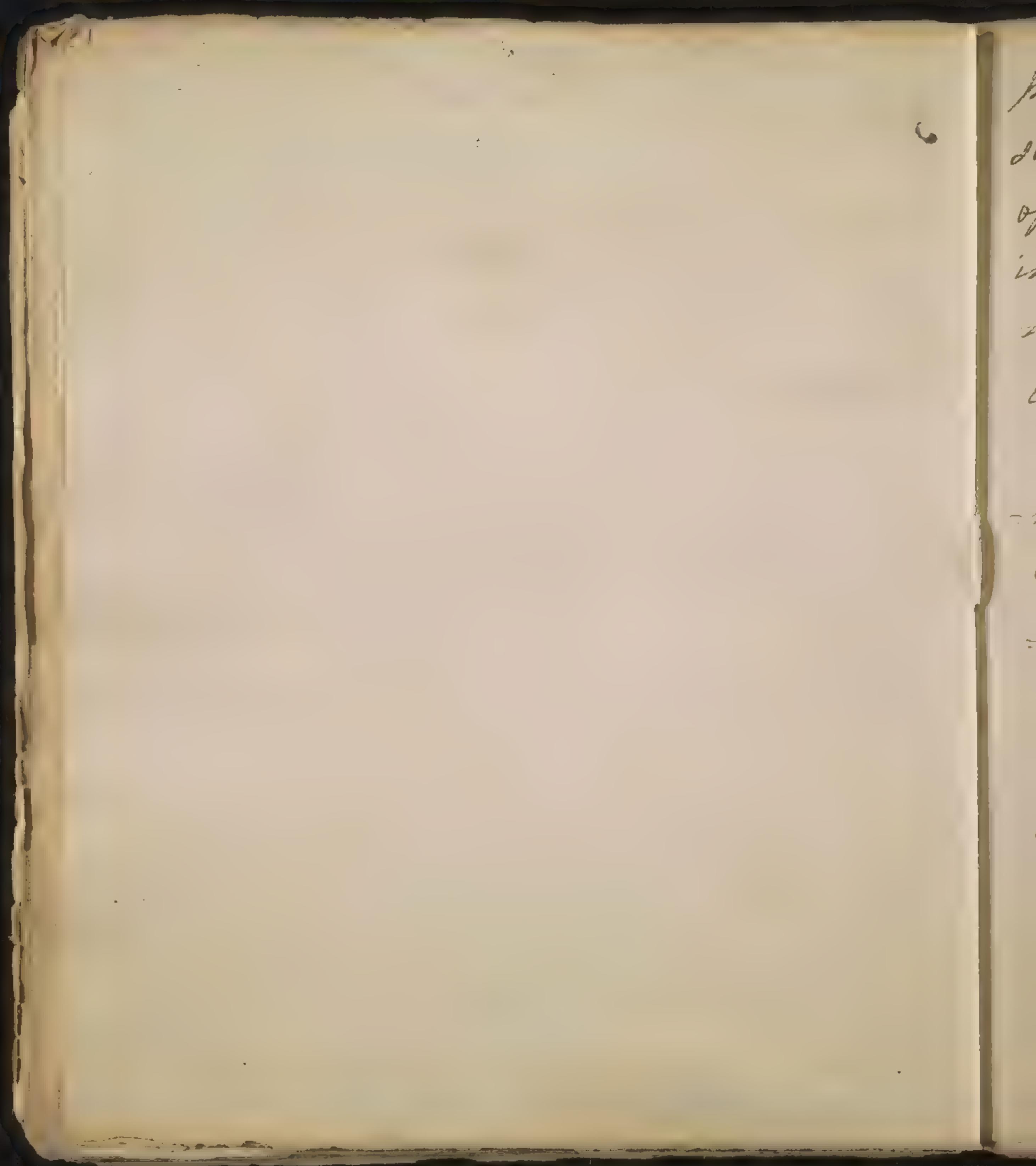
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✓ You thus adopting Dr Cullen's theories, after
treating them with contempt & ridicule, they
remained the Priest who ^{now} ~~not~~ on his way
to a costly feast a collection of choicest
and being unwilling to spoil his appetite
by eating fruit, ~~upon~~ upon them. So
the madder.

✓ I am aware that the destruction and
rejection of Dr Cullen theories

50 years ago to Dr Boerhaave's theories of the morbid affections, ^{now} are equally stationary in Dr Bell's theories of spasms & matrefaction, and of the efficacy of ~~sedatives & diaphoretics~~ of nature, and of the sedative action of certain medicines in the cure of diseases. ✓

In one of Moliere's plays entitled the "Citizen turned gentleman", ^{the} ~~citizen~~ ~~is informed~~ ^{applies to a} professor of Rhetoric to be taught the principles of language. The professor began by dividing all writings into two kinds, ^{viz} verse & prose, and illustrated each of them by quotations, the one from the poets - the other, from the language of common conversation. - The citizen no sooner heard the latter, ^{that} than he discovered ^{of it,} he was in possession of the knowledge, & exulted in the reflection that he had been in the habit of speaking & writing prose without knowing it in every



part of his life. The same thing may be said of those physicians who are the enemies of theory. They are in the habit of revising it without knowing it, in every act of their minds, when they prescribe for the cure of diseases. —

~~This is no objection to theory that we cannot explain the causes of all diseases, and of course that ~~we~~ we have a perfect system of medicine.~~ The same thing may be said of all other sciences. ~~and~~ The science of navigation is ^{so eminently useful} ~~still~~ imperfect, and yet we do not ^a ~~ever~~ ~~reject~~ ~~all~~ the advantages we derive from the magnet, the quadrant, & from lunar observations.

~~I have been remark'd that ~~had~~ more~~
~~as far as it ~~which~~ relates to the cure of diseases~~
discoveries have been made in medicine within
the last 40 years, than had been made for

~~practitioners of medicine~~
~~and the Magicians who relies~~
~~upon them exclusively, without combining them~~
~~into with theory in the treatment of diseases,~~

is ~~more~~ ^{more} a ~~piece~~ ^{scare} than a collection of
bricks in a Brick yard, - is a house, ~~the~~ ^{the}
The man who practices medicine, without no
other resources than ^{volume of unconnected} ~~an~~ ^{an} ~~large~~ ^{large} of facts in his ~~brain~~
memory, is no more a physician, than the
day labourer who carries the hod, is a master
builder & architect

10

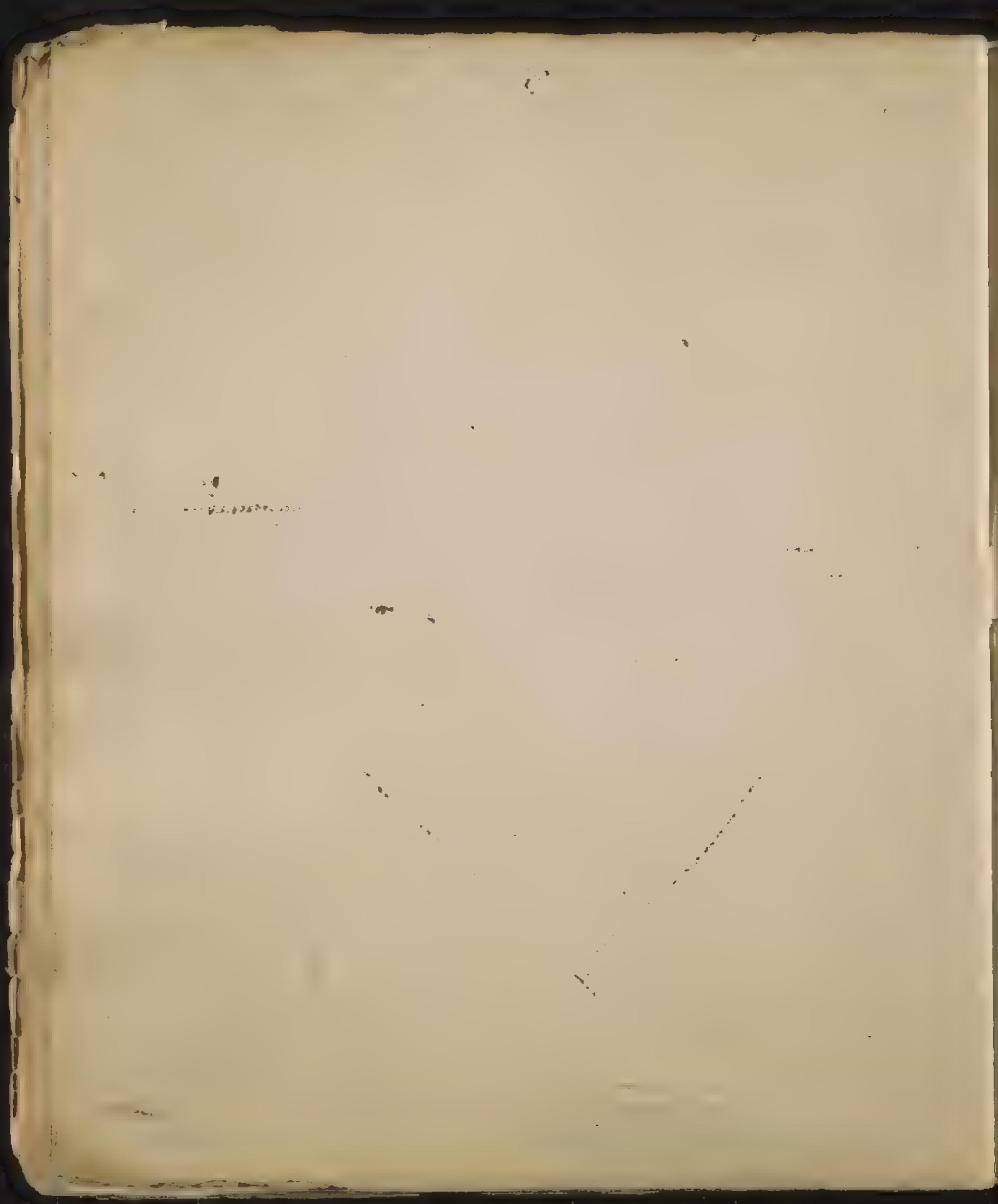
centuries before. The reason of this is ~~theory~~
~~was added to~~ there has been more theory intro-
duced into our science within that period
than formerly, ~~and that too~~ by means
of which ~~supposed~~ ^{dominant} facts have been brought
to light and such as were ^{detected} admitted to be
erroneous, have been rejected ^{from the practice of physic} from tradition.

~~This is not a science~~
~~upon~~
~~medicine.~~
~~The practice of~~ when founded
~~only upon~~ only upon facts, is no ^{upon} Medicine
~~or~~ ~~supposed~~ ~~fact~~, ~~and~~ ~~it becomes~~
a science only when ~~it is~~ facts are combined
with theory, & that man ~~who~~ only is a
physician who prescribes under the influ-
ence of ~~fact & theory~~ them both. A system
of religion of some kind has always been
found necessary to promote good morals, so
a system of some kind has always been
found equally necessary to promote regular

In like manner gent: I have resolved
to follow reason, or to theorise in medicine
as long as it shall please God to continue
~~to the last moments of my life~~
to me the exercise of the reasoning
faculties of my mind. I am the more
encouraged to adhere to this resolution
so long as the advantages I have derived
from reasoning in medicine, for if I have
at any time beyond the mortality of a
single disease, I declare that publicly,

A successful practice in medicine.

After these preliminary remarks I need hardly inform you Gent: that duty & inclination alike concur, to determine me to teach the theory as well the practice of medicine from this chair. ~~so~~ also I once attended the only son of a foreign gentleman in this city in a dropsey of the Brain. I advised the loss of a few Ounces of blood in his case. The remedy ^{at first} startled, & disturbed the father of the Child, but after a few moments reflection he clasped his hands together, & cried out - "J'aurais la raison - jusqu'au la dernière moment de la vie". "I will follow the dictates of reason to the last moment of my life". - I ~~was~~ ^{having} ~~disposed~~ ^{to} adopt the same ^{notations} ~~method~~ ~~in~~



13

the science of medicine, nor have I had
reason to report it, for if it has pleased
God in a single instance to have made me
the instrument of lessening the mortality
of any one disease, I ~~will~~ declare this public-
ly ~~in~~ ~~books~~ ~~of~~ ~~the~~ ~~several~~ ~~in~~ ~~several~~ ~~means~~ ~~of~~ ~~curi-~~
I was led to the discovery of the ^{means of curing it,} ~~remedy~~ ~~which~~
doing so it
effected, not by accident, - notably preceding
derived from books, ~~or~~ ~~from~~ ^{noting} ~~from~~ former expe-
rience, but ~~by~~ ^{by} ~~theory~~ ^{by} ~~reassessing~~ in medicine.

~~It looks~~ my lot in out ~~to~~ science has
been a difficult & laborious one. ~~I have studied~~
~~medicine three times - that is - I have~~ I was
educated a Boerhaavia, in Edin^o & became a
disciple of Dr. Cullen. soon after I began to
practise physick, I found ~~Debott~~ the system
of my illustrious master did not afford

✓ Those circumstances are the most consoling, as
though the ~~new~~ ^{new} modes of practice principles are not only
opposed to a great deal great strength of prejudice but
~~they~~ ^{many} modes of practice - to the feelings ~~of sick people~~ ^{of sick people}.

✓ They not been tried by ~~contemporary~~ ^{some} others
I ~~now~~ ^{now} found them to be more more
✓ I have ~~one~~ ^{one} more reason for believing
Successful practice in common Dis-
eases, & to the cure of some diseases
once deemed incurable, by them. ^{But} I have
two

~~Other~~ ^{Other} more reasons for believing them to
be true. ^{Shr. 1. 10} ~~Shr. 1. 10~~ ~~they have generally~~
~~adopted~~ ^{been in the habit} I have ~~seen~~ ^{seen} for many years past
of receiving ^{gradually} letters from the former students of our Univer-
sity from all the different states in ^{in the Union} which they
have ~~been~~ informed that they ~~had~~ had found
the new modes of practice ~~had~~ taught them, as
Successful in their hands, as they had been in my
own, & I have those modes of practice having
been adopted ~~as~~ & with ~~success~~ success by those

with the phenomena of disease. Actuated by
an ardent desire to ~~be~~ save the lives of my
patients more than any ~~other~~ thing else, I
soon ~~intended~~ to depart from the principles

of my master, & read & thought for myself.

The ~~painful~~ result of my inquiries is well known
to you all. For a while I ~~thought~~ ^{convinced} that
with doubt of ~~the~~ ^{of my principles} truth & spoke of them
with diffidence. For should I ~~have~~ ^{been} presumed
to ~~have~~ at this day thane presumed to have
acknowledged my ~~confidence~~ ^{belief & confidence} in them had
~~the~~ ^{the} ~~advice~~ ^{of practice to} ~~not~~ ^{the} charge been to be
they first ~~led~~ ^{seen} adopted by those
gentlemen who for many years pub-
licly ignorantly opposed them. # #

2. Be not alarmed gent: of at my determina-
tion to ~~teach~~^{beyond} the theory of medicine as far
~~as I am able~~, with my lectures upon the

in number that you will readily re-
tain them. Such of you as have brought
to this University Dr Brown or
~~with you the theories of Dr Cullen, & Dr Brown,~~
will be great losers by exchanging them for
Dr M'Nab's for I will ~~give~~ ^{give} you ~~two~~ ^{three} where
~~you have given you two, & where Dr Cullen has~~
~~they give you twenty.~~ ~~as well as~~ ^{of course} neither
gent. let your fears be excited, least I should
not mingle facts with my theories; so far
from it, I will venture to promise you that
I shall deliver at least 100 facts to one
theory. Indeed my whole course of lectures will
consist chiefly of facts. After this
introduction, I proceed to ~~introduce~~ ^{introduce} that ~~part~~ ^{part} of
you not insensible gent. of the
the clamors, & flanders that have ~~been~~ ^{followed}
my ~~attempt~~ ^{at} ~~attempt~~ the principles, & mode of

principles of Physics. ~~now~~ all the theories I shall
deliver to you will be simple, & easy of apprehen-
sion. ~~so much so that they~~ ^{so far as} they will
~~not~~ moreover be ~~dangerous~~ ^{dangerous}, ~~for~~ I shall
they exclude a large collection of facts. Indeed
I will venture to promise you that I will
deliver ~~new~~ facts in the course of these lectures
to one theory ~~nor shall I deliver a single theory~~
~~which cannot~~ ^{will} not be supported by facts

I have but for new Remedies to offer to you
for the Cure of Diseases. ~~The change of Regimen~~
My principles rigid up to a
~~affectionate~~ ~~but~~ ~~proceed~~ to you in
respect founded, more proper after
your practice with ~~consists~~ in the use of old
remedies ~~at~~ ~~differences~~ in them in the use of
my new ones.

I have carefully avoided ~~over~~ laying claim to having ~~taught~~ for this defining theory in medicine, & promising to teach it, I beg

practices I have taught in this University,
- But I am not, & shall not be disengaged
by them. ~~as long as~~ ~~while~~ ~~I~~ I am able to totter
up these stairs, & to ascend this desk I shall
continue to teach them - because I believe
them to lecture, & know them to be useful.
- Day lot is ~~in~~ the profession of medicine this
~~anecdote~~ is ~~not~~ I have never yet replied to
a single ~~for~~ attack ~~in~~ some one. I have
hitherto treated the public & the more
insidious private attacks that have been
my principles & practice
made ~~up~~ with ~~it~~ ~~it~~ & ~~it~~ ~~it~~ but is
more with ¹ forgiveness, - and I will continue
to do so as long as I live.

gentlemen, you would ~~not suppose that I~~
~~lay the least claim to~~ ~~being the author~~
of a new system of medicine. At little have
I aspired to a mitre or a crown as to that
honor in our profession. A system of medicine
provides a theory for every disease, & ~~from~~
~~every~~ ^{an explanation} an explanation of every phenomenon
in the animal economy. My principles
had only to ~~the theory of a~~ ^{an explanation} ~~at least~~ ~~part~~
of the diseases of the human body, and a
~~selection of~~ ^{which} but a few of the laws of the
governing it. But while I thus limit ^{the} ~~my~~
extent of ~~my~~ ~~know~~ ~~my~~ principles, I do not
hesitate to declare that I believe all the laws
of the animal economy, & all the causes of
diseases admit of explanation, and that
~~sooner or later~~ ^{sooner or later} a system will arise from the

~~the possibility of our arriving at
perfection & certainty of medicine is ~~one~~
of the ^{only} means to ~~attain~~ attaining
to them. After this general & prelim' remarks, I
proposed now to make a few remarks
upon the methods of ~~finding~~ acquiring a
knowledge of the practice of physick.
I meant to take notice,~~

successive labors & contributions of different
men, & ~~perhaps~~ ^{perhaps} of successive generations, ~~for~~
there will be formed a complete system of
medicine. ~~It is to believe this is to do good,~~
~~next to the Supreme Being, for~~ ^{then} Let the consideration
of the present imperfect & unfinished state of
the fabric of medicine ~~animate~~ you, ^{in your}
~~desire~~ to add your labors to those of your pre-
decessors in order to complete it. The United
States ^{already} added several stones ~~to~~ ^{to} the ~~linne~~
to this building. Let it not become weak and
your hand ~~who~~ who knows but what Heaven
has destined ~~the~~ ^{the} capstone ^{of it} of the building
to be placed upon it. by some American
physician, and perhaps by some of
the gentlemen ^{to} ~~who are~~ ^{I have now the} ~~compo~~
honor of ^{always recollect that} ² addressing ^{to} ~~you~~ ^{you} a beli

